

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#4 0360

In re application of: **John Shanklin**

Serial No.: **10/017,145**

Group Art Unit: **1645**

Filed: **December 14, 2001**

For: **MUTANT FATTY ACID DESATURASE AND METHODS  
FOR DIRECTED MUTAGENESIS**



COPY OF PAPERS  
ORIGINALLY FILED

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

This paper is filed in response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures mailed on March 22, 2002 from the Initial Patent Examination Division.

The Applicants state that the content of the computer readable form copy of the Sequence Listing filed on December 14, 2001 and the content of the printed copy of the

---

**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this paper (along with any papers referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

4/11/02  
Date

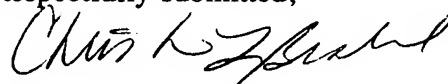
Maria Pacella  
Maria Pacella, Office of Economic Development  
and Technology Transfer

Sequence Listing, pages 53 through 59 of the 72 page patent application, also filed on

December 14, 2001, are identical and that the computer readable copy and the printed copy of the Sequence Listing do not include new matter.

The Applicants respectfully request entry of the above statement into the referenced case.

Respectfully submitted,



Christine L. Brakel

Patent Agent

Registration No. 45,772

Date: *April 5, 2002*

Christine Brakel  
Patent Agent  
Brookhaven National Laboratory  
P.O. Box 5000  
Bldg. 475D  
Upton, New York 11973-5000  
(631) 344-7134

COPY OF PAPERS  
ORIGINALLY FILED

## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/017,145	12/14/2001	John Shanklin	BSA 02-04

CONFIRMATION NO. 2640

## FORMALITIES LETTER



\*OC000000007700318\*

Margaret C. Bogosian  
Patent Counsel  
Brookhaven National Laboratory, Bldg. 475D  
P. O. Box 5000  
Upton, NY 11973-5000

Date Mailed: 03/22/2002

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS  
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE  
DISCLOSURES**

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- This application does not contain a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Applicant must provide such statement. If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

For questions regarding compliance to these requirements, please contact:

- For Rules Interpretation, call (703) 308-4216
- To Purchase PatentIn Software, call (703) 306-2600
- For PatentIn Software Program Help, call (703) 306-4119 or e-mail at [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or [patin3help@uspto.gov](mailto:patin3help@uspto.gov)

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE